

## PROGRAM NARRATIVE STATEMENT

## ALBION-SHERIDAN TOWNSHIP - CALHOUN COUNTY, MICHIGAN

US EPA RECORDS CENTER REGION 5



470897

BACKGROUND:

The Albion-Sheridan Township is located in the southeast quarter of section 36, Sheridan Township. It is approximately 21 acres in size and is situated within one mile of the city of Albion. The landfill received unknown quantities of general refuse and industrial wastes. About 6,000 cubic yards of metal hydroxide and carbonate sludges were disposed of in the fill area. These wastes were approved for disposal in the early 1970s, and they were used to cover the landfill in the late 1970s. Also, reportedly disposed of at this site was a large quantity of drummed waste, of which the origin and nature is not known. Inorganic chemical contaminants have seeped into the shallow aquifer beneath the site. The groundwater directional flow in the shallow aquifer is suspected to be south/south west. It is probable that this contamination is, therefore, discharging to the North Branch of the Kalamazoo River, located two hundred yards south of the southern boundary of the known fill area. Significant levels of nickel (1,000 mg/kg), lead (280 mg/kg) and cyanide (2,100 mg/kg) were found in soil samples, and chlorides and nitrites/nitrates have been found in water samples associated with the site. The site ceased accepting waste in 1980 but was never properly closed according to the Solid Waste Management Act, 1978 PA 641, as amended. The landfill has no appropriate cover nor is it lined according to standards.

ACTIONS TO DATE:

In March 1986, the EPA Field Investigation Team conducted a site investigation and generated a report. The report documented levels of contamination that were of concern and which helped provide the data necessary to score the site for the National Priorities List (NPL). In June 1990, under the supervision of the EPA, the Potentially Responsible Parties (PRPs) conducted a removal action at the site in which approximately 50 drums of waste were removed from the surface of the fill area. Early in Q3, FY92, the EPA and MDNR began the RI/FS.

SCOPE OF WORK:

The MDNR has provided technical management assistance and community relations assistance to the EPA under the current MSCA grant. The MDNR is requesting additional funds in the amount of \$10,000, in order to continue the technical management assistance and community relations at this site for the duration of the RI/FS activity. The geology at this site is very complex and does not provide for an easy evaluation of its characteristics. The glacial drift aquifer is hydraulically connected to the Marshall Sandstone aquifer, with no apparent aquiclude present. The Marshall Sandstone aquifer is utilized for the city of Albion drinking water supply and also supplies the rest of the region with drinking water. The bedrock is highly fractured and highly permeable. Contaminants from other sites of environmental contamination near the site have been demonstrated to be highly mobile within the fractures of this aquifer. The

## ALBION-SHERIDAN TOWNSHIP (continued)

Phase I Summary Report has been amended to become the draft RI Report. Staff of the MDNR have spent a considerable amount of time evaluating data and the complex aquifer system since the Phase I Summary Report was released. This site has been chosen as the first pilot test site in Region 5 to utilize the Presumptive Remedy approach. Accordingly, the components of the site investigation and decision making are accelerated by the nature of the Presumptive Remedy idea. The MDNR is concerned that critical technical aspects of this investigation are adequately evaluated prior to selection of the remedy, while still keeping intact the basic tenants of the theories of the Presumptive Remedy program.

APPLICATION FOR FEDERAL ASSISTANCE  
TASK BUDGET  
FY94 Q2

V995339-01  
Albion Sheridan Township  
RI/FS (L)

TASK	DESCRIPTION	
1.01	File searches and reviews	
1.02	Scope of work review	
1.03	Assist in routine RP communications & negotiations	
1.04	Review of project reports and documents	
1.05	Assistance in obtaining site access	
1.06	Assistance in oversight of on-site activities	
1.07	Recommend preferred RA alternatives/prep of ARARs	
1.12	Liaison between U.S.EPA and State programs	
1.13	Provide various sampling, analytic & eng. services	
2.05	Community updates	
2.06a	Community meetings support	
2.07	Progress reports (Newsletters)	
2.08	Respond to inquiries	
2.09	News releases	
2.10	Public comment period	
2.11	Special information sessions	
2.12	Responsiveness summary	
		=====
	CURRENT BUDGET TOTAL	\$45,000.00
	CHANGE REQUESTED	\$10,000.00
		=====
	TOTAL	\$55,000.00